

## **Appendix A**

### **(proposed phantom count)**

A thermally insulating jacket, comprising:

at least one gas impermeable wall that defines an insulating compartment that can be evacuated so as to form a vacuum;

an insulating material filling the insulating compartment;

the insulating compartment including a getter material that is able to absorb both water vapor and at least a second type of gas or vapor from the insulating compartment;

the compartment also including a water sorbing material for sorbing the water vapor;

a container for the getter and water sorbing material positioned in the compartment, the container being divided into upper and lower chambers and being made of a material that is impervious to water vapor,

the getter material being positioned in the lower chamber and the water absorber filling the upper chamber;

the upper chamber communicating with both the insulating compartment and with the lower chamber, the lower chamber communicating with only the upper chamber so that the water absorber prevents water vapor in the insulating compartment from reaching the getter material.